Notebook Series -- Pocket Notebooks
Notebook, PN-11-12-01

This pocket notebook is probably a continuation of PN-10-00-00.2 (see *Thomas A. Edison Papers: A Selective Microfilm Edition*, Part IV, reel 178, and *Thomas A. Edison Papers Digital Edition*, NP086).The dated entries are from December 1911 and January 1912. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are notes relating to primary batteries, storage batteries, and battery applications such as country house lighting, automobile lighting, and miner's safety lamps. Also included are entries pertaining to the home projecting kinetoscope, the kinetophone, and phonograph machines, cabinets, and records. In addition, there are notes regarding inventions to be patented and inquiries to make of the Legal Dept. about patents already applied for. Toward the end of the book are four pages of notes entitled "Chapples Book," in which Edison evaluates some of the individual songs in Joe Mitchell Chapple's *Heart Songs Dear To The American People*.

Among the numerous Edison employees mentioned in the book are Edward L. Aiken, assistant superintendent of the Edison Phonograph Works; assistant engineer John R. Anderson, Jr.; chemists Jonas W. Aylsworth and Ignacy Goldstein; master machinist Robert A. Bachman; chief engineer Donald M. Bliss and his successor, Miller Reese Hutchison; Walter H. Miller, head of the Recording Dept.; experimenters Charles T. Dally, Daniel Higham, and Alexander N. Pierman; machinist and longtime Edison associate Frederick P. Ott; his nephew, chemist Ludwig F. (Louis) Ott; Brian H. Philpot of the Disc Record Manufacturing Dept.; and machinist Albert F. Wurth. The pages are unnumbered. Approximately 150 pages have been used.

60A4 to Ephrons wks shipped June 16 1908
Lawson 60A4 Feby 15 1909
Macgillivray - Mch 13 1909
J Altzarn May 19 1909
W of Springfield Dispatch May 15 1909
Great Vichnu Co June 8 1909
Ephrons wks July 13 1909
Fishery Aug 16 "
16
23
23
Springfield Wire Co Jan 25 1909

Following up Wilson on burning
Saphros

See Blum about new Kinetoscope

See Blum about Mercy contracts
for documents in Kinetograph
repossessing

See Smith about cleaning
up stations Gallery + finishing
up Vatrous as also on Trustees

Dolly - pass SO_2 first through Cement
Copper after iron removed by magnet
This medium Coarse form +
forms H_2SO_4 - +

Maxwell for Hematite Oxide
Representation for all the
minerals -

R.A. Crush up 7# through 150
Mesh reduce part fine + pass
Mirogen, Wantmake
Ag Cells for [illegible] in Cold
also Indentation -

Hymn - first good preliminary
+ make the Explosives Reciprocity
over again - also produce
is bad ask cause & remedy

Bless - hematite & oil stuff to
be made in shapes - Has that
book been kept up

Bless New underlying for
No 2 get it ready & how
would it take to run
it
Fred will take me over
to Concrete Cabinet,
see progress & arrange
things -

Find out 14 cts per drum
change -

Ask Bergren for payroll,
Legal Dept, Maxwells wages

Has Monmouth Gallons green
cert, No nickel in refined
in French shipments

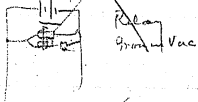
Dec 1 1911

Bergeron - About Keeping film in England + Bombing Separator Tax

Tell Nestor about Horse Lighting

Bless. Set down + draw out Relays + Sounders Type for Horse Lighting Pl. give drawing -

also



Bless How get along Regulators for Lighting Centres

Wilson - What about moving Spig pic over here on tent

Meadowcroft - Calculator tent.

See Hubah about Fox going to London

Weber - How about Clockwork big machine worm wear - fault to Regulation steel on steel - etc,

Weller Mulber - How about Engine when we take close to rotate Cylinder to improve it,

See Hudson Dead rule calculation necessary to work out our business - cost of the work and selling - storage of cars gives him a good deal more

See about Enlarging Thompsons Opinion of actuality -

Call - How about Young a taking Cameron, ready for photo picture to be called on any moment,

Walter Muller - about Patent & what to do —

Henry Up Aiken on hearing Monnel - Also about place in factory to prepare Monnel go see the decids —

Call on & see Philpots place & plans —

Hallam to purchase book of Curves - all sizes & phenomenon Copyrights & all outlines necessary for application of patent & to all outlines for frequency Dept General Elec & to other Copyright for other Cos —

Goldstein - make several oz of the Collard 1/2 from Electrolysis in acid dry & sent to RA to redeem the & Manager for Gold tests

Kremerhoff - Wanny Lamp

Leonard - Hurry about Berg-Hamm Agreement - & Workmen —

See Wyoer & get Copyright for Cabinets of the various kinds & what it would to increase —

Go over to Concorde Cabinet Place & increase to $50 per day Capacity —

Have chg & discha Carroll Monnel Wade on new Jc after get them Gold Expts

Boy make up all the 7½
pockets of Non cold iron
for test purposes, ~~not~~ also I make
+ 2 .5 gram 7½ pockets get burn,

Put Lott + foundry some thing
that will burn HgOH to 6a
foundry sol in 21 KOH, 2 hr try
Hg Oxalacetyl - HgCy. use)
clips see if unsaturate
Try Cyanate Hg

~~Ofolbilein precip 16%~~
~~Bi with green and 3%~~
~~HgO with it, use nitro +~~
~~Make loading cat 7.000 cle~~

~~Get some Dry HgO + Hace~~
~~Boy make up 2 cells Bi 16%~~
~~green + try 3% HgO with~~
~~green - see how it works~~

Try Hg 0.5 to 2 oz in KOH,
Think Boy sticky sol K -
Mercuric oxide (red) with lemon-yellow
dissolve - precipitate white in KOH -
Oxybromide Hg not in group by KOH
perhaps it is a basic sol.
Hg S! Ethiops is insoluble sol in KOH.

~~See if we have a Bismuth cell~~
~~OK if good cut out KOH +~~
~~put in some HgO in the tubes~~
~~Mechanically colored see if we~~
~~have enough Bi 16% to~~
~~Make an A4 cell - if so~~
~~Soak in Hg Salt + precip~~
~~HgO 3% in green~~

~~See if we ever made an~~
~~A4 with RAs big cat~~
~~1% Cal alt if not do so~~

~~Air is very full of cloudy~~
~~the work at 10 cells - also~~
~~Have we made of parts -~~

Ask Hutch how far apart are
plates on 1/2 Russian Ballast

Mr Holbrook Use Lamp Work in Carbon Tomorrow

Try out down small & large funnels
see if large funnel down give order

Test Cellulose Records for Japalac
Use Mallory to see what people
on Gallery - or Hutchinson Office,

See How about getting Electric
Supply House Handles on Gallery
Also all the Engrd people doing
Lighting (10c Gasoline all Dream
See Wisconsin Elec -

Smith, Curve showing
Exhr % of Water in Carbon
Pull, Lead over Edison
then Economy Curve based on
& Mean of both Curves

Mr Young - How about Brooms
Collins N.Y.C.R.R.

Wm Wallace Nichols
Vice President Allis Chalmers Co -
Reports E D Adams, 71 Broadway
Re supplies of quality of
Concrete name (Trade Collulose)
with Carborundum,
Rosebrook

Walter Neiles, Supt. Government
on Concrete Road Russell
Rosebrook Nelson Dickson

Kreiss - Mallory = Exports cobalt
Rehland - Metaphos + Limes
Epstein - Sec Precipitants + Lime
for plants,

Put to make several samples now now
No Hg.
2% 4% 6% 8%
10% 15% —
for Curve capacity &
Could not test

get some smooth [illegible]
no sugar in.

Thompson at [illegible]
Smooth film [illegible]
take scratch [illegible]
any time

Dodd Wakeman
Asphalt seconds with alkali
use diamond to turn off
of daphers dont

also some Carnauba with
just enough wax to get abundance
ok — also anything harder
Mr Can suggest
Tin turned off with
Diamond & Diamond record
Coal of daphers wont stand
up. also Condensite partly
hardened, also shellac &
tetrachloro naph — so as to
be suitable

Charles wants the
[illegible] — Make 2 Copies
[illegible] Compounds
[illegible]

Now get [illegible] Diamond
Ground [illegible] etc

Teaching Delaunde get
man & dynamo. Low
Hg – two high lamp,
It should be cast low
temp., great trouble
w. scaling.

See Philpot if he has
all his plans –
Get all drawings of def. machs
required, what changes
necessary, what new machs
required, designing
& number of each mach
required.

Get some boy from Smith or
Elsewhere to do lighting on
Delaunde, to pass backed
forward from lab to Lake
go down to works &
see present lab –

~~test~~, Delaunde with NaOH &
various % of KSiFate,
Thus to measure
surface,
Try pulling Electrode near bottom
as now & see what occurs –
Try stronger NaOH,

Add Hg by using Na Amalgam –
tabic, reason why Zinc
bad + ox adhere Zinc to hot
+ Hg distills off – plenty Hg
Ox dont stick – Sodium may be
good.

Dip Cells + Crucs –

How is House in Bank & Drawing

See Relay regulation

Hurry Dynamo for auto lighting

get Dyers, answers for
Incubator, small pic. phone

ditto d/wc

ditto neutrophones

Have Maxwell move up
to Lab + Take charge —

Don't forget Clarke 26 Bury
to advise on Microscope Engineer —

How about selling services on
Consulting ref of our voice reproducer

Legal dept to furnish the
Non perro capsule

Patent the strips across
1/8 tube plate, threading
Rale more, the Valve
the 3 Xtra pension Coast
7½ plate —

Patent new cylinder replaces
higher Gox —
See if Cellulose second
rubber Gasket been patented
Patent Dynamo + Coat for
cents where connected or
disconnected —
Relay regulation voltage —
Pat, new show for Cutting
has new charge loading
iron in pocket been
patented,
Patent liquid dip + Chem
Method dip Acid or Crate

Bring singers reports to house
+ listen in funnel + tubes —
again + Criticism over —

Call at of records that we
Can use on disc
in Locked boxes

Get Philpot Engl. Metal
Pen Mfg & have brought
on new cylinder & tools
for grad. with Cambrel
also varnish &c.

See Wurth & warn him to
devise new methods of
handling machines to stop
undercutting the [illegible]

See the Mr. Fr. about planing
people monday or tuesday

Ask wurth if we can't
put gold on cochin the way
a plated wheel for 1/4 100
than Copper. It allowed.
not real,

Hulch - What about
Metal Letters for garage
Cells, asked you a month ago

Write Wallace & give him
the Zone System & 1150 & 1250 -
Have to work out & other
data from book - Leave him
get world 11th census when published

How about Ogl catalogue
writer -

How about, catalogue on rough
get rough gp for wood lighting

Boy to give me the mean from
pockets of see caliper on
Compass to get idea of
same weight

Waller Weller will send over
voices, listen & judge -

See Walter & get complete
Cabinet of rear & cutlock
may be use elsewhere

Have all Victrola records collected & listen to singers —

Can an educated singer hum a tune at night, after make by a rhythm?

Hulah, how is it sounded full 18 in. ebony, ebony not wood box sounded —

Memoirs of Caruso 811 for Philpot

[illegible]

Attend to steel tubes on Grey sets of Cake 4 ii — drop in off flake — ditto 2 ii on or 6 Cons. oct. flake from 4 ii — Dry Dry Dry Scrum out Nickel from flake

Talking, attention to blackened [illegible] could to broke powder blanks after long [illegible] as though up as a [illegible], to see if we cant reduce this flake,

See progress printing small fabric —

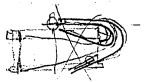
Attention, why paper fabric in Nickel blank, why not Zno, it need not have strength, then print fabric —

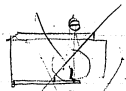
Get best colists wanted 3000 daily discs

Get that 2 [illegible] Record Wallter made of Various [illegible] —

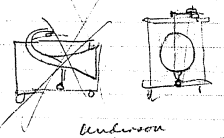
Mallard Klamath
Big shelter fence Rails
dills Pa Rails —
Screws —
for Lab —

Hulch peak out 3 or 4 old E 15
Ural well goes 75 or 100 amp
put in 6 or 7 fully charged
Often pour seed part leaks
look for Chlorine, close it &
smell thru a 1/2 inch hole





ok



Unknown

Take Anderson over to
Philpot & show him the
Iffermont & Unknown
Philpot wants.

Atkins, face me down
when you get a greatly
swelled powder & Canada
want see it —

Hulch Lilha for Mount

Get dilute - use rolls &
precip HgO from organic &
inorganic Hg compounds &
double salts. also from
Lunge precipitate soln
of Hg cyanide, Hg sulphate,
Aminates, etc Carbonates

See Lewis O'Ll & get best Hg
salts for 21% he has got
Hg on old E 19 —

Ask Smith if he found
out about Edison on
B4 Ironing

figure out cheap place
electric lights Cant
SB around well lighted
see how low -70% coal
offer —

Zinc Sulphate Zn poles
poles for Regulating —
a selenoid Home lighting

Lew O'll = deposit Pt on
Shorted Hg Electrodes then
distill Hg off in Vac —
see quantity of the Pt —
for bets,

Mark all old Gold & aqua
tunes not wanted on
disc from shelf —

Get List of Wally & &
other Nurses & packed
out with Brandman

Extra Cylinder Tobey
Menelaus 2 min —
test voltage for Orange

Ask Walter Miller for ask
of $1000. around
then 500 in Sept
of 3 singers 333 ea
of 4 $253 – will this do

get list of singing teachers
Church Choirs, Orange
for testing voices –

See if any Vocal teacher
in Newark or Orange

See Sergal Music house
Corresponds. Benjamin wrs
get samples from Gest
Students etc –

Walter Miller $1500 –
a time played, same time
if possible to every
Orchestral instrument
on separate sheet – Grade
by Chorly

Have Blue print enlarged
made from pasting of
Orchestra cuts on Scenes
from Mayers book –

Have some new fz made
up test in B4 Cells (a)
Copperly & Gold also
2 A4 – ~~Acad~~

See if Wood's Bi green of
not make some by green in
solution & then make
B4 Cells & Ag Salts –

Hudson Thompson Gallery on Loco
Chg battery in exposures by a shock
for 5 seconds at 00 amps or 300 1500
Thus battery also lights head light, the
Loco, tender, do, chgs at round house

Mc Cherney - Lunch of talk
& Ads for new show now
is time to get ready.
Samples of Ads in Catalogues

Ditto small Kyle Co rope
Catalogues + lists - samples

Watch yours & go up see
Barbour Monday night -

Tuesday Wing gets Brooklyn

Pattent rubber tire balloon
Celluloid & glass
Paris +

Put in groups all cells -
2 gms ~~HCl~~ HCl. + Reversed
for several hours then soak all
night & Empty put in new
Solution soak all day Empty
+ put fresh solu chg 3 ampers

Cornelius groups all Bismuth
do same thing +

Both always groups but not
reversed -

See Bliss ~~Grant~~ McClor
Cycle -

Have Gyorgy Hyrates type
write books or times
2 scrap books -

Put dog Cafe like
this +

Give set Cuy Oldy Blue prints to Phelpot —

See Weber about moving that repair shop door to tool room —

Ask Phelpot about the new creamer for Phelps Pans —

Phelpot if there is memorandum of Home report come same in yet —

Hurry Lotti on Electrolyzer for Expt —

Get some Hour. chalk from Bakelite + heat 70° + use magnet with 4 pounds it = absorbed + shake down melting, pan on glass for gel also Eat Meat + iron on glass

Cable Mount of Buda Pestli been paid

Make some of the purest Cobalt Chloride or sulfate have magnum solubility. Scale off 98% then dry + prepare K cyanide + dry then do it again —
Take out a sample then do it again + take out sample + finally do it again + test acid —
use 3 each time
Ask Goldschmidt for most Cobalt salt to be overmost by drop of Co Cobalt

Quicklime prepare to get 80% Cobalt in Nickel + Excess 1% Oil to gal good long weight use roller —

See that those new pockets are put up & run in Cold to make sure

Get some more of the new 7½ from Stanford for a small cell test –

Hurry up Geo Grant to get those 7½ for B of cells for a cell test –

Get data on plates on rolls so 20% fine grained goes in mix –

Take 3 short tubes & dip in Conc. Cobalt sol & work seq another 3 double dose think this good as the nickel Pb –

also 3 Run tubes wash out long dip –

Move Max well somewhere –

Look at Tubes other material record again –

Look at films –

Look at 1st dat Phulpits seconds see if OK yet –

See Cubmits if they got them OK –

Write about Model Cell

Watch what are tubes 1/2 going along – its very expensive – why cant Bell use draftsman also the workman made it

See Hanes Lighting Relay set –

Send for Lawrence no over mean

When will little truck go out again

Chrudinum coffee not in on Grace for taking wet. Coriolis burning cover fuel.

When can we possess The office of good Mecke administrative rules this is practically an Interpretation of the law Congress should do this

1538 RA is new Fa 30 lbs drum

Hutch - Load new Fa with different weights cross with scrawd from 100 week - to increase loading weight to 7.5 and not increase output over neg fa - run the gauntlet

Take up with Aitken arrangement for 20000 dress daily — max 6000 min —

Write NOS Cincinnati desk who works w/ Assume Them —

Walter Miller
How about Frann Mauborg
Contralto Bertina Pasquali Soprano
Florence Wickham Contralto
Leonora Sparks Soprano
Metropolitan Opera

See Pierman about diamond
Repair for cylinders —

Wilson Report A. Gordon on
Repossession, large needles
& the others —

Wurth trying plating Ni
from white wax

wire
steel bar

until proper thickness say
10/000 then back up with
copper by transforming up
another bath — until right thickness

Study the record of
the ordinary machines

See how Mr. Gordon getting
along on 0 series
if both give four times

Enter in Nov. time book
the balance of times now in
leaf —

Have boy get rid of the Tuna
records —

See if watch dust over the
new talent trial records
if so bring to home & test —

Give Anderson new
Karpshaper Group drive

Go over with Anderson
see Philpott on ordering
machines.

Test Philpott & Anderson
same moved for Anderson

See if Smith got the 2 A4 new ⅛ —

Kammerhof & Palace
Morning Sunrise

Find up recovered flake (no Emmum Negro & Kent in 2 Street Libras —
Do the local office of Flake see what you've done with Green —

See Maxwell if Joe Cyr had Home will let me day for Saturday —

Ogier what done on re Hay —

Blue print Orchadra wts

See Horsey Falcony

Bachman & Dennis Truck Tracect
Have Load from with his single lamp if we have one with dip wire also see what Hatch done —

Wilson & Wakefield Farwell
Have you received the 4 demonwell Jaws —

Walter Butler
Groves Dictionary of Music
page 329 article Chevalieri
middle of column on right says
" Certain vibratory production of the voice, a fault common among bad singers and known as Tremolo, Shake "

Trumpet used in place cornet in some instances

Tabasco - Monument Song

Oathin - Run pass her blanks
of Cresal Ihm just name
to Thomas [illegible] are
[illegible] [illegible]

Mendelssohn Scheme
Church Choirs —
See Dalcroze W. Con
of Stail [illegible] —

Walter Muller Usayer Connecticut John
Westervelt Singer
Madam Jon Doenhoff Mezzo
1186 Madison Ave Cincinnati Ohio Rev
Pearl Benedict Jones Contralto
Edwin Adams Welsh-American
Baritone — Julia Lindsay
Kathleen Parlow Violinist
Blanche Showalter Paulo Gruppe
Cellist — Matzenauer Contralto
Clifford Lott Grand Baritone

Maud Morgan Harpist - my
Beethoven Quartette pupils of Philharmonic
Mildred Potter Contralto my
Cecil Fanning Baritone —
Boris Hambourg Cellist —
Morgan Newgarden Mezzo-soprano my
Edna MacGregor Mary Adele Cassel
Contralto — is like the Case Record —
Frances Mosby Piano
Oscar Wolfsohn pupil of Elizabeth
K Patterson Key
Idello Kyle Patterson Soprano
Clementine de Vere —
At German Conservatory of Music
College Hall 128 130 E 58th st my
Minna Wessel Coloratura, Idea
Kaegler Soprano
Maria Witkowska, Opera Contralto
Emma Thursby Teacher my
Giorgio M Sulli Vocal Teacher 1425 Broadway
Maria H Burt Coloratura
Geo J Stacey Tenor —
Serafino Bogatto Tenor
Ima Brozia, Soprano Boston Op House (41)

Hanna Cumming Soprano
Rosa Linde Contralto, Paul Dufault Tenor
Gardiner Lamson Basso baritone
"The above artists gave Rigoletto"
Quartetto 4 – Sextet from Lucia
Manager F.S. Pierson of New Haven
Theatre arranged the choir singers
Musical Courier Dec/20 page 61

Rosa Olitzka Russian Contralto
John Barnes Wells Tenor
Hartley W. Clark Baritone
Edmund Clement Tenor
Clara L. Rogers Lyric Soprano

Get the B♭ Cello up at up one
south. Too many Hq Cy per tube –
Another with Hq Sect 4 and a
part Sofia fresh to Hq get in Cuba
another Subpicate K – another a S of B♭ Sotto 21 1/2 ft

Tin boxes used for Master
records are too flimsy – get
model of Geller ones

Walter Mello / Want
Cello
Double Bass
Harp
Oboe
Bassoon
Saxophone
Trumpet
Horn

100 000 people crowded at Alcalde Jones
in San Fran – what is it

Blow note low steady near horn then at every 5 ft until at Bell note echo waves also use forks + box also Talk shout or duck for Echoes — do some out doors

Get Peters men all go + Keep him on reserve himself only until get something clear for him —

Rig up Reel with Micros to Examine film for own use then permanently for Gall —

Low Oil = get sample for Bismuth on ZIRZLi

Tell Thompson about film - Gamble + Meers

Walter Miller ask Collins names of song several years ago where in Chorus words My Jumbo is used —

Hulch Cant I have her draughtsman Ed Kolo out on Daying out with Hester

Doc building Jones day later — up with Atkins

Atkins try Cresol process blank [illegible] Elec same process as plexus —

See Condition 33% test cell 1/8 tube, strips across

See about C10 Model Cell —

See Weber about moving Hulpst Top room —

Arbon - probably some
for Wonderstats - Galvano

Better Tin boxes for
Master Records
Also Cylinders

Start charging a battery
at 32- see how it
changes Capacity

Found what about
Industrial moving Pic
film - Long Expression

Put man on Shellac Jobs
to soften upper case used
for Hopham recording
Cylinder

About the rubber battery blue
record - [illegible] —

Put Petit on hard recording
Record —

Think Miller can get Gretch
music on hard record (10)
singing

Ask Philipart why he cant
have a fitter on Caulin piece
to save alcohol & cure —

Bergson cost in detail
film per foot + average
current rate —
Stills Europe —

See Smith hoot may turn
B/4 run in 33 + if enough
take apart —

Smith look Cowan 1/4 endurance

Asks Philpott how many
feet mica cur make the frequency
for 500 cycles D and 20 hours
I make it 6 feet min —

Philpott shows me how the
phonograph records, upon Rubber

It is probable longer & larger
funnels can be used in the
tent,

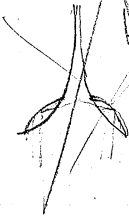
Gave Mama Proxy to sign Dec
26th = see notes long ago taken —

Got Oliver Ditson & Schirmer
Catalogue of Music publication
Concert programs, Arias
Duets trios Ensemble & solos
for mixed voices —
~~Also fundam~~

Tell weather we open
days from disc to cylinder
good —

After 3rd run new 7½ select
the weight for hampering iron
that gives 7 or 7.5 grams
& make 2 A cells for
tests —

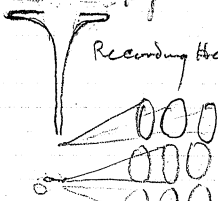
Rabroquet hear about
new for lower temp school
governed fewer, lecturing them
up —



Diaphram

Turn for recording
that operates on
the Reproducing

Highams —



only 1 horn recording when closed at end.

Weber, 2 months ago worth put valve in Battery —

Leonard says our purchasing agt is in partnership with Solomon the jew from who we purchase stuff — Cook Copper oxide, etc = Asks please ask long Cook fan then, its good to know —

Learning — gave job to William without spelling estimates —

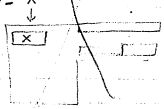
Walter Weller Hofer Pierman make you a japan five dia with Cork center for your secondary accurate sized long —

Abraport Make some very fine Nets from 10% to 90 —

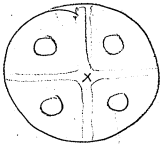
Screen out thru 60 mesh (allowance from bag list new) see how it falls with certain weights

Ask Harry about supplying to Sloane's letter

Bachman Clean off space for tent 60 X 80 – X



4 funnels –
1/1000 clear
1/16 wide –



Pierman get diamond lead as possible + another with Repdr weight + metallic link –

Anderson dust concealed horn belt driven with cork inserts on pulleys

Make 1 pocket with several Nickel wire fins –

Jarlen wires in rows & rows then put in yeoman mix 7% pack well so wires wire keep in place. Then press & Corning the Run 3 times at 300 & check closely Cable –

Put up one BH cell with 24 KOH 2 hi of 3 gms Sulfate Bismuth –

See Anderson & Philbert & Aiken & start the orders along for Equipment,

See Wolf to furnish Hughson Hard record to make figure

Start that Boy Thales on Lacquer on Shellac & Zebra Naphthalene & with other things to get hard; Record for Hugson —

See Al Wirth & give him 2 or 3 Records that he can make & make sub Masters also — those made for me while in Europe put in book —

Hulch man press some new Fe Cakes in smooth steel die we used to have, use greatest pressure & see if it sticks together well, if so force it in an open end pocket,

Hulch - Open up the cell with 5½ gram plate press Fe & make some with 3½ cc cut 20 lamps & put plates back & run again

Put Petit to work on hard record for Hughson - Lac & Zebra or other things —

Make up new Fe grids & add twice as much Hg drop with Hg Fe & do same Try Cell Thales —

Figure on trophies, Hughson Record funeral Masters & collects & Obsolete Cells in Fe & Pb bag cell —

(55)

Tell test man to test those
lots of new Fz cold —
also put up the new ones
now making a test coil —
also the one with twice the Hyd —

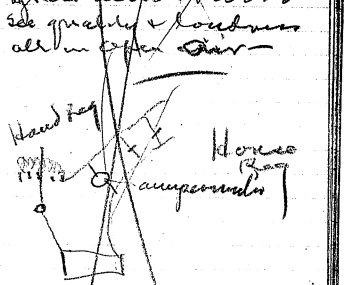
Test those new old Fz that
were screened out to discharge
take them off discharge &
test cold —

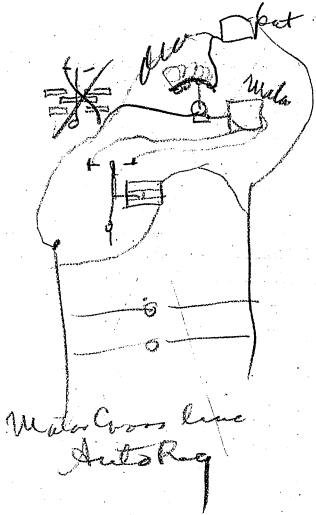
Get best record or have
Smith press and record
Dannie & Tim new Concrete
Cement — perhaps Hors
Can raise it to use that
record —

Put up Lining fork
Hughson —

Paint cinerator with
aluminum & see which
see how it goes.

Get funnel filled to 2 and
4 valves — Try Expls
with reflecting sheets,
glass metal & wood
see quality & loudness
all in office Dir —





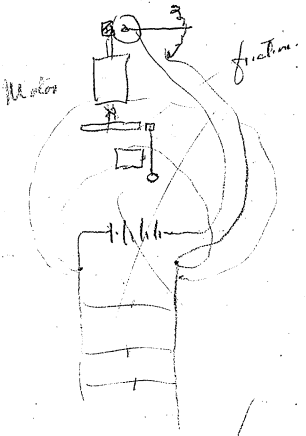
~~Pressgrass - get profile~~
~~per foot on film~~

Wilson volume is disc
boxes — tie with tape
Open Sell tape —

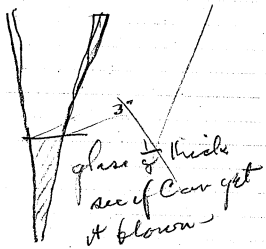
~~Take a Dramatic Stream~~
~~spent hour on 10 dramatic~~
~~change reels cylinder~~
~~Concealed shake wooden~~
~~Mandolin —~~

Decorations put in 002
Cork Candy plan for
Hughes, Ball Broadway
Zylla weight —

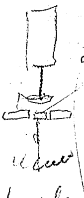
Blue Log magnet in Br. Lyo
or Lamps (Gambon) at Medist
Recorded sound
for Hour. [illegible]



Motor would be kept out
Res friction would until
off then Motor cuts out
till friction comes on
again — No Controls



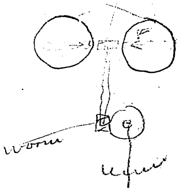
S. Rent phones
1st month — they buy
Record



gears driving
Continuously in
Op [illegible]
Relay throws

Reo box lever on to right
or left —

[illegible] down



Dauphin Park —
probably limit — plenty free
farm ground here —
its where Cross across bay
RR 1st 9 saw at grade
Big Car shops & round house
here —

Work out a screw feed attachment
to Victor + arm — also pulling our
~~frame~~ whole apparatus in Victor
Cabinet —

~~See Tarbutt Bi Cell~~

~~ditto new 7/8 also cold
steel [illegible] —~~

~~Wilson why want
Negative Machine
furnished my man~~

Mallory I think the Coal
Mine [illegible] Make a
dust coal that floats we
see about it —

Not spinning high enough
on Master to throw dust to
surface ~~See~~ [illegible] & Hotmore
Bliss — so dont clip right off —
10 B 2 should [illegible] Motor
see what [illegible] —

Meadowcroft
Man [illegible] woman singer
Sight readers Can hum tunes
from notes — How can
advantage —

Have some regular fz
Rockets made parallel
Corresponding lighted parallels
pressure — then increase
by 20 atmospheres — [illegible] cold

Rogers — .005 stock now
pocket, Reg pressure &
Corrugating —

Moore tell Pierson how make
1/1000 gap Lac paper Cork center. dia
of small size 3/4 —

Find out from WW Miller
What Opera talent will
sing for [illegible] name —

~~He~~ Make 2 1/4 inch tubes
with the new fz with flake
& 2 without flake & put
up with & put 1 now
tube up with 4 Mc tubes

ditto 1/8 tubes —

Walter Muller see if he
can get use of an armory
to try Experiment, also
permanently or divide between
2 armories
Or a large flat roof for
tent + sand bag floor —

Pierman make a record
on dark Muller of humming
sounds of def words spoken
by Edison without vowel
sounds to see how dark
in Mexico — If humming
sounds are longer than
Higham can use a big
button twice or more wider as
they will in duplication
not fall into big vowel [illegible]
but fall fully in [illegible]
— Mack Light —

Higham try Hallowards
Carbon Telephone to record of
ok try 2 diaphragms in series —
Mullgile

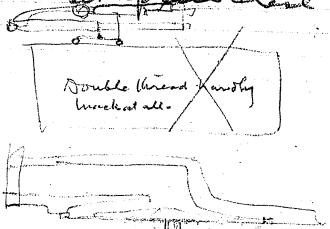
Have boy run blue Cambral
on 10 def [illegible]
see if no jump —

Butch Nelson must use
have 1/4 Kerosene
to exhaust

Did I detect Nelson
between Cathode &
Platter Tube —

Hilchi man Red head
Norton

Lott make very
Uneck to amalgam
+ press out they to get
a cake to fit pocket
– set up ~~face~~ a level



Aitken – Test sub machine on
thick double wound to see if
Metallic matter chiefly is ok –
before using on connection for
tests.

Use a phonograph on table
with wheels and Cal Stewart or
also Memorys of Home to test
Volume Sound with journals +
also Record of " work –

Have Norton start Lab book
on Iron Chrome –

Meadowcroft Lehigh Kansas Only
test only when slipped –

Motor for Key phone

Metal Plates –

Get means of auditing
High cost business

Make a dog Cupid
for Iron and Steel Trade —

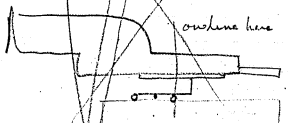
Weekly Reports on progress
of School Industrial
Elections —

Go down tomorrow and
see how film made
picture —

Lecture on Metallurgical
& Chemical Engr & Geology
Mining Geology
Mining & Engr Wanted
Chicago & Edinburgh
Bulls & fund operating & Engineer

High Cost of Living
by Hiram M Hartwell
Pub by Joseph M Wade
Boston Mass

Tell Pierman to put sustaining
Bell Union



Ask Pilsen why we can't have
Carbon dioxide

Ask Edmond to Regulate Voltage
on Autos

Ask Blass why cant we
split up a 60 cell battery
in 4 15 groups + use 4
transformers 2 kilo each battery
Seperate or Variation Multiple
~~to~~ with 6 or 8 volt in each
branch of split 40 amperes

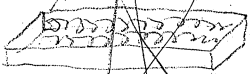
Louis 8th ave of Impulsion
Prange has a reciprocating
action, with def metals
as armature —
ditto Tellurium
" Selenium

Make up a C 8
with 3 tubes high in
plates, also found Extra
Cost — use strip in
center here too

Goldstein Lakeside wire the
Nickel from diff found
acids from Roll process

Waller Weller
Columbia Record 1081
Claude A Cunningham

Pierman Record
Drop at different speeds
on cylinder & def design
Edison will do it —
Want to see if higher
speed wont give better
Consonants —



Seperate in ¼ pocket

Tungsten Contacts —

Blue How about Cadmium
Cement — How on plastic
applying on —
How about a dropping
out again —
How about Crystal
Picture —

Seattle film (and
pic [illegible]) —

Smith pict [illegible] 72
Ay [illegible] Cold [illegible]

get Hopkins 2 Vals
Hong down to
Chem Room & clear
the young man in
Some Cleaning —

Electro Hg [illegible]
4997-8

Hepham — New Long Caper
funnel for [illegible] — to
throw out funnel — room —
to test if it really does
but same small cup
decanter —

Electric Motor for
bag dryer —

See wheel large black
of new fused unit
also Fremont bottle samples
of big bottles with
knob & 4922 see of
depts —

[75]

Dise adds – In Cities
Adv dealers of 5 dealers
put 5 dif dealers in
1 for week in Canada
Columbia Vary Ulum
instead of Oper record

Atlas Engine Poles
Indianapolis.
Discussing 10 quads per
100 KW at Eighteen

Hallam Trachman
What Cost Have was
that proves Wicked
glitering is wanted
prosperity to stock
Stock – Have shown
Rogers High Grade
– all Cracked up –

Speak to Pilers & say Motor
to all out of proportion too
big for work for Regulation for
House lighting

Mention to Miller the
Metallic extra vibs in
Voices in Rec 2 testing per
of last lot of recs to – what
is it

Nymphs & Fauns.
Waltz Song

good

H Bauberg

Drawing hand turning
off machine –

G V Track No 2 wire in
also what they Heat massage
see Hallam

Speak to Pilers & say Motor
to all out of proportion too
big for work for Regulation for
House lighting

Mention to Miller the
Metallic extra vibs in
Voices in Rec 2 testing per
of last lot of recs to – what
is it

Nymphs & Fauns.
Waltz Song

good

H Bauberg

Drawing hand turning
off machine –

G V Track No 2 wire in
also what they Heat massage
see Hallam

Handed,
Have Murray & Rogers
letter delivered from Bass
with explanation why no
answer to letter

Learn OK – try need
Cat Spinning Balance
Solution 170 deg
feller not at least

Also distill to Hg Snow
in Vacuum + let out all
Hg off go to deg above
boiling point

In 3 weeks Gorlug
Recording man back from
Europe to get instructed

Test voices – ups req funnel
like at home

Redoll for Meghan record on
microscope –

listen to some of the funnels
+ the phono playing
+ noises –

try Unusual Clock due in 3/4
Machine for Chapman – very delicate
spring pressing / holding knife

also try one like Meghan's 101
on piano + 27 funnel –
+ proper weight on recorder

Drop note to Vera ask of
he talk Dodd about
Spinning feather – hat moved

See if Zinc produces Ta to
Metallic

Find out what regulations Montana coal mines are working they don't go on test

Blues what about that Department on Pierce County City Coalfield —

Aiken about their discs scratch my samples

How about Cooper Hydraulic Department of Labor —

J. V. Miller Coal Co. Norwalk Compressor meet around our job — ?

McKernan Coal Co. abandoned compressor job?

Hex in interference on Bachelite, See JWA.
& Legal Dept about interference

Patent Echo pro of room look at Dent application
Next bags hung up 3" thick also forming roof - floor of bags - bags filled with Magnesia OX Chalk Lime Mixed with asbestos fibre

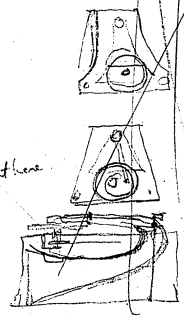
Except from E Bat Tensile tensile services —

If double rocking beam reciprocates rocks up bag Record then drop from that on disc Mercury & cylinder by amplifier if necessary poly jet seems best that this story & have Record of actuator as we drove

Leonard –
Selling Suspender Depot
Manuf, buy & sales last 6 months

Wilson Numbering grade
of disc boxes 1 up discussion
Ulrich –

Cheap shows made now making



Shorthand

Patent Controller for Horse
lighting with Double pull of
cords OK with Reed & others
no relay but Front Bes & Carb lamps
to vary field –

See who Board directors
American Ex – NYC –
idea being to pull to chain
separately –

Ask Beach if Kessow
that Prem RR Locator –
what Beach of it –

Write other people which
is smallest Dead Eng that
will be made –

See what Moorseman is doing -

Macdonald put about in James building when he owned Jul. Morning Telegraph, Sunday Evening News Norwalk

Sold Contralto, Baritone -

Write Cromelin to procure full Catalogue of all the Eng English Models & Novelties Sold Music publishers also ~~also~~ also 2nd Hand dealers in Musical Goods,

Graf the same in all the Countries (10) Prussia, Germany, Austria, Hungary, & Italy

Metals engraved forgery in solution as well as on glass, Photochromatic Illumination - Also Sublimation from one bulb formaldehyde - Sensitive, Oxygen - Oxygen flakes - Zinc Metallochrome -

Goldsteen Bromulider - R. Brandt Compounds

Meolai - for bottom of tent so air can come in Ventilation 10 Cent & Some bottle, place there -

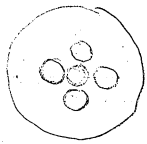
2nd Hand Pianos - go over to Norwalk -

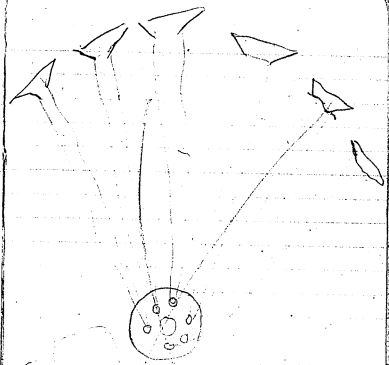
See dancing if they can make it generally agreed strikes good -

There are 3 or 4 Extra 4922
Rockets they have put them
up on land for safe after
Cold test
Look at 4923 the one that
would be no use without trouble

Wagons – in certain stations
2 buildings either 3 or 4 –
two more, stations remain –

Bliss – Draftsman design
$150. Much for disc of
iron, & charge bolt clockwork
for $75. left up Reader
be cheaper in all ways –





5 or 6 horns – very Tapering
6 ft the 5 holes having an
area equal to 1 half 1/2
inch diameter
This would be 1/4 inch each
about & slowly big enough
Each voice part of horn
& all near Cues

in wagon over coupled
only guarantee the cells
not the crate

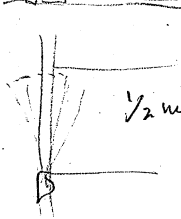
for [illegible] Barock req
flute alone, also Celloe &
flute, – tuba + flute –

Mozart – Jupiter
for Thing in Tent –

dese powder to get rid
Strong + Scaly, cut pruncks
with graphite or talc
in Ultra Violet
in making blanks
it will flow more.

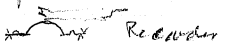
Bee wants food bottles
send me a thousand cents
that he wants starter on
for us to monkey with
2nd hand one, will do
any old thing

Why not a pencil, vibrating
light at rear trains, indicating
signaling man back



Dolly – Record Cylinder
Wax put on full of fine
grooves so [illegible]
[illegible] Not exact,
also turned cylinder
Coated 15 [illegible] to 20 [illegible]
by [illegible] process
with all kinds of [illegible]
Varnish to get [illegible]
Cutting Rodway cylinder
Parabola etc

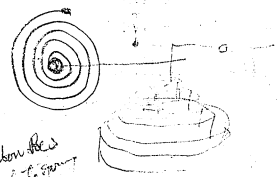
Did I patent the



Recorder

Bachman should getting
good man on to work up
machinery for edging top
Edge cells so we can use
Can [illegible] old cells.

Try listening to Sophomore
in deaf horn to see if the
Echo beats can be got rid of
by horn + if so if the horn
will be [illegible] for [illegible] & [illegible]



Carbon Rod
Voltaic [illegible]
Coated,
[illegible] in Hg

Have meeting Hadfield
Buchum Dope on Tray

Aiken press powder blank
Cold set flows, then warm
to consolidate — grind fine —

Jar moved for powder blank
Turn off a blank with
diamond. see if get good
surface —

Rotate a hot polished
plates against it.

Roll out slabs in Rolls &
press these,

Make 1 coat see then
transfer a 5 coat over
dried. afterward the rag
225 heated transfer

Rub phosphor bronze on let
it set in cavities of disc

Grind very much finer —

Dial Lamps out, buy 75 Hg in
Vacuum —

Galvanism, MgO results —

Have Piano taken to Tent

Listen in Reg Dial horn

Also test sapphires on
all the horns at
def distances

Vacuum tubes go
over them on piano
& surgery

Dally on Fred
Magnesite + asbestos
Mathews have rooms
for workers

Wurth makes 1 Record
Carmi Melvin 1
D1 Cracraft -

Arken - press zinc
powder over it & bottom
then screen yes - Repress

first put little powder
in mould having felt
6-4 then mould back
then soft over some
powder with 6/4 +
press - surface wood
not stick to moulds
colored - cause weakness
spring opals

Arken -
Moulds high Carbon steel
ground & then buffed -
Alcohol & Chamois skin -

Certain of these part
finer ground grade of
wood pulp - think there is
for book paper - soda pulp
sulphite pulp, our company

Pierman, Cosgrove the Aluminum
Industry 1926 also a part no
Aluminum steel bars
or just well to look & consult
Roofs Supply

See about getting another
man for Spring Picture - what
salary does present man get

10.04 + 1 16CP Tungsten
for Dew at night -

Try how thin a coat can be put on powder mouse & blank faces —

Balton & Top lacquer powder blank of 1 to 1 or 1½ lac to 1 paper cylind & paper lines, or lacquered mouse to get rid of Effects Big paper fibres —

Take up with Belladonna & Hallucinogen the "Frog & Cell dope" —

Ballantine no good consciously working — for expt sake be open & can see it —

Also Ballantine injecting for Clarke —

Aiken after making new blank with varnished mouse make a transfer see if strike —

If it stick use Chap 4/6 on varnish — also hopper limpanelis

See progress Aitken 3000 day diffs Philipson — go on & see what Gang does —

Gold Lakeman fuse Mc Co ors with Sodio NaOH, wash & dry & try dissolving — also reduce McCo ors by H & then dissolve —

See Frs Otto dropping & peeling out test & make with false arm & check just to show —

Look how horses small digit getting on

Drop some tubes (2) in Concentrated Cosoy — dry & then KOH, wash out & test

Ukulele - Try 7½ pegheads
press flat & cement corrugated
Reg 7½ also new 7½ —

Arken Crescal Ukuleles
Record for Cold Tent

Go over to tent & hear some
of the records - loudness
etc —

Have Pianos & anything in
tent & Reason why Voice
to find out quickly —

See Leonard - Zoolyn boxes
No cigarettes friends —
Why Wm — Sale Sales
after noon afternoon
1400 to 1600 —

Bliss cost necessary 85 V
Ukulele —

Go over to new Motion bldg
Frales Converter Cabinet

Put up Computers & tent
pianos & funnel with it —

Try out Horns in Elevator

Credit may, Monocks, judgment
Levy on Cars etc where pays
for it,

Arrange at telephone for the
new from he can to make

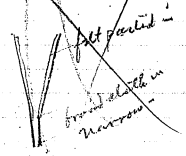
Green very [illegible] for the Berson advertising used in Moving Picture World

Wilson, How about having our outside impressionists use Pro film advertising in M Picture World —

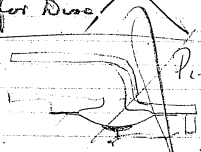
Ballentine

Jany 28 1912

Fred Ott -



Since we cant rent the 5th ave place stand sales room for Disc,

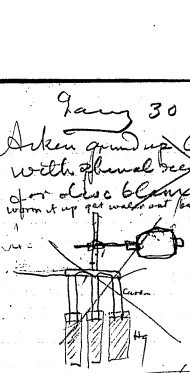


Hughes

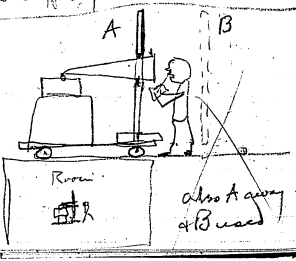
Meadowcroft from an orchestra from the 3000 people pos have evenings, say 6 or 7 in 30 yl evenings -

January 30 1912

Aiken ground up charcoal with charcoal because tried it for abrasive blank. Sandstone right over, warm it up get water out before grinding —



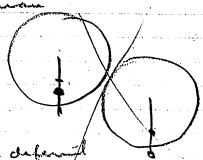
Ad for Disc Resilvering Lining 5
The Disc - push it out of the several pockets
Also buy photos of artists who are beautiful



Also A away & B used

Norton, new fe, reduce wood take out wet put right in press & recorrugate — 2 left them also, 2 not corrugated, change in bottom take out wet & quickly corrugate — Both lets out Rag tack, then Cold —

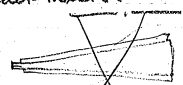
Pressman



Levers deformed filter room. 5 both go up if lines is right —

Marswell to find out from Hughes, who wrote article on Olympic in Evg Globe 29th January

Look at paper pulp samples under microscope



Double horn - Glycerine between - stop vibration

Dully Cut up pulp paper strips soak in melted phenol Recem. Cool + see if granules up - Dully ~~red~~ try fro OH weak some Comp. on bottle of sawdust Wood ~~fibers~~ fibers in Mahogany + Knotted

See what cheapest felt is + thickest, fiber board

Dyer who is allowing to 200 thread Quist

go over to Bell Lab + listen to talking in the horn at various distances

Regenerate very old tubes by dipping in Conc CO504 after drying, then KOH + ~~Break out~~ SO4 - 2 each

See if Morton made new 7g + old on 005 product by pushing rod - 7 grams weight (12) get that test

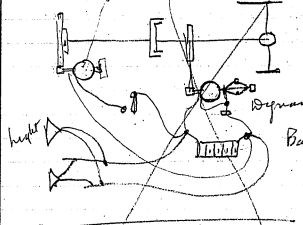
Moore put a paper cork disc in Wilson new single receiver

Ask Bell what been done about steel Cores for School Kinetoscope

Bliss

Starting Motor

Making



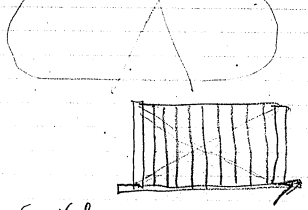
got permission to go down to Armory with Listening horn & the Wireless Complete to sing —

See Bradbury gwa about stop wire Jatna Map at Bailey

Speak Dyer about 3 yr course Compelled take Geometry O'Neill forgot why do you not have record of engineering & not total Equipment

Brigham

Size 12 ft. 7 ft high —



See Volume

Speak Meadowcraft McKinley Mechanical Co 10c Copy get Catalogue

Give name Engineers for Book
To Hallett
Lloyd of Grenoch
Wells Adams & X
Monnat
Bergmann
Anderson Engineer
Bakers Engineer
Engineering Contractor (that part in
Colombo & Goa
Walker Trunk Engr (and Cranks
also Forgings
Potter Geck Elec
Baldwin Loco works Engr (Electric)
get address

Engr of Bythaby
Stone & Webster
Elec Engr Ogden Co
W. Wheeler Co
all Elec Co's refer
Crocker Wheeler

Friedoth - put the fight outside
the funnel — screwed head tight —
see if Rupert Walter went
see if I marked & wrote
sign —

If glycerine fails - try brass
1/4 thick in exhaust screwed
together or flanges - perhaps
later better for polished or
buffed inside ~~Crockmeier~~
Brass flare ribbed outside
polished inside & tripod
heavy means weight —

Higham wire 20/000 needle
& ~~1/20~~ 8000 fall drop to 20/000
get more sensitive —

Higham put boards on
background to reflect
to funnel —

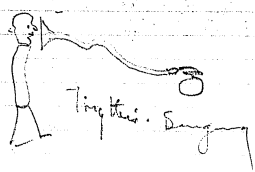
See Lancaster about clock
up with too much Tebra
Nap —

Have Aiken press down to
Univ. says after the ~~1~~ Lengyang
& Oxford brass: wants
see if sulfad fabra gets red
~~blood~~ Vallejo's bill —

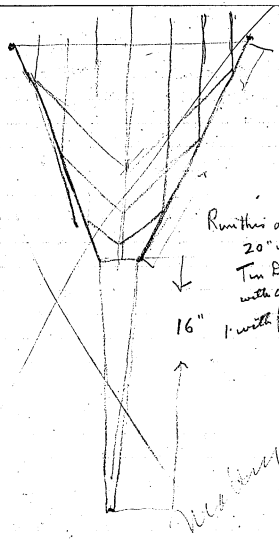
Meadowcroft Arranged to
have semi weekly (Wed &
Sat) reports of progress

Brinkerhoff
Coyle Jr man
Dimbleddie
Hitt
Dally
Aiken
Wirth
Anderson

Bliss about ~~[illegible]~~
Iron Lamp reg Vallejo fed
Lamps on arith — little
Carbon pile & solenoid, only 3 or
4 amp — also tiny motor Pas or
Solenoid —



Try felt funnel for
Recording — Singing +
Piano — Shellac Long
glycerine —
Test bottle on lead on
singing —



Dally also they rotating screw also shaking screw lauden

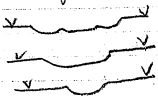
Gist & mingeas flock, Ele from Lehmann

Wittig - chge of Gun Works working as machinist
uPhono coarto -
See W.E.G.

Swinging where a note or note of Sopranos on high gives squeek have bel sing without piano it may be due to beating against Piano —

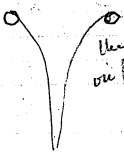
Hugham – try 20/1000 knifes
& bal also 10 & 8 –
to get measured loudness

Pierman gets lowest



with Celluloid –

glass funnel try it! –



Lead 1/8
faced inside
punched brass

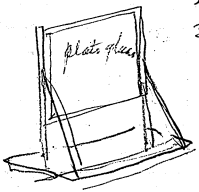
See Bliss about a line of
Dynamos for Surgicals Lighting
outfits –

Henry Bally & Lehman up
fibre! –

Food Oil get the glycerin

also 10/1000 clock funnel

Arken put short dressed
proper pump up Reason + ground
see for OK –

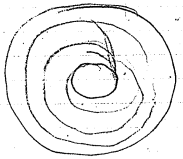


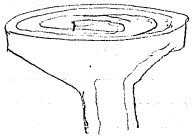
2x2
3x3
3x4
1/4" to 3/8"
also slate
Concrete
Steel –

Put Fred's old sou bags for
deadening

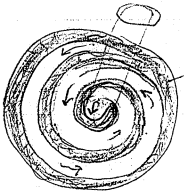
General funnel to put various
Duds on to see how far
Band on phono will be overcome
with Red Decorder

Diamond

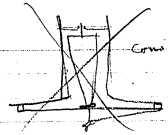




Sound waves passing on this
thru a valuable special —



Legal Dept - check if applying
Lawn Mower



Pressure working

Have Worth place Spongebag with screened fabric blanket + + stop until he found where bernaglia —

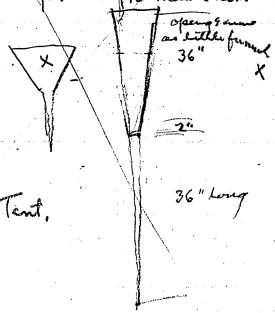
Worth about cloth around his anodes otherwise dirt open + porous plating —

Raise Chas Payer Ed
#12 —

Make another glycerin flare at steeper angle

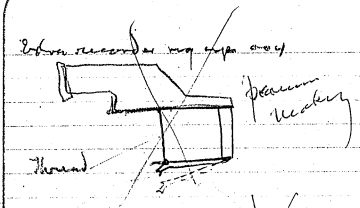
Try big glyc funnel —

Make glyc funnel —
36" long at end 2" then flare steeper—steeper than about funnel

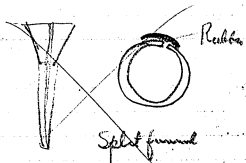


Regrind in Tent.

Zebra recommends my type and



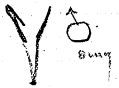
Try recommending 2 oz
tension & strong wire like Lee
Repeater —



If shows results Try split in 3 parts.

Get the Editor Al Spaulding
idea of sewat shoulders —

See Wilson & have him put
down just what is wanted
from Grasso & have it sketched



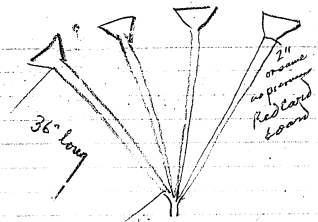
Wurth Clean out your
Graphite box, dust probably in it

Wurth, fewer fabric blanks test

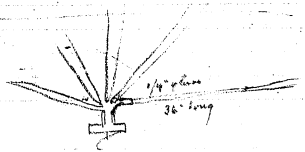
Weber deduct supply about
steam pressure for Wurth

Ackerman Make flocks blanks

[121]

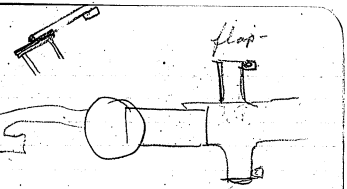


Split or Lope mouth

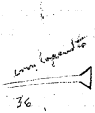


Orchestra -

Pressure, heavy wooplit on Recorder
as used on Piano -

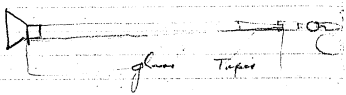


flap on strong
Chords open
& slope forward
coil -
1/2 deg flat



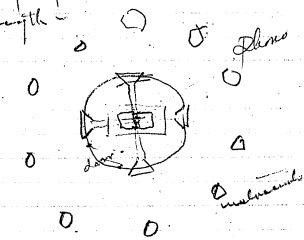
See what Weems gets —
idea to raise salary

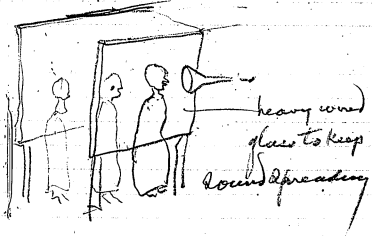
Raise Pelton to $80 week —



Have Philpot grafoling the blank & then press also grafoling reflupressing set of deadlights & also try dirty Schwarzone with rhythm —

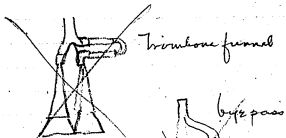
Wurth — Allen grafoling disc for Comal machine inspired for Chals —

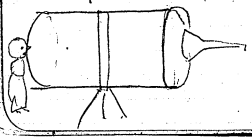


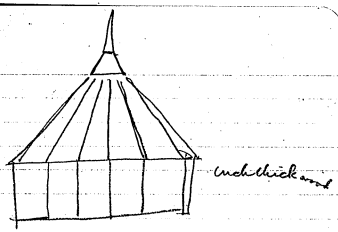


Dalley – to go to Cobbleshall
Talbot & Co. get funnels or
to Ellrich – get drawings –

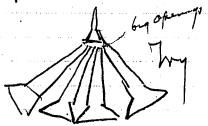
Look at book angers & get
loose tooth record & look at
record in records to show
about sharp ~~funnel~~ ~~and~~ al –







One section first test for Volume
12" from horn then 12" from end
of Extension see book –



Use small hand horn with tip so can go near singers mouth & listen to quirks on sustained note.

Reach if you boost on an empty bottle it will go down —

Try many fine graphite with last coat of Alcohol Varnish on last transfer

Apply the surface of the Metal metal to the paper —

Try one of Moore smooth Brass plates buffed for last transfer Moormall

Try on machine a plate of glass see if it scratches with Speaker

Meadowcraft Industrial where they get all the Music for Piano Rolls, 20000 now listed

See if I have sent W Miller list of heart songs from Chappell's book that does and find of Crosmen can sing any of them or over other Italian talent —

Peruvian ride Brass Tube instead Rubber on the double funnel —

Try Glass horn made by Daddy with flare & without also beer bottles —

Put 1/4" Rubber band on
Celluloid Ends & Chain
Grafting - pull off to leave
Bland ends see how it looks --

Grafting a solitaire dress &
see if Cam see holes in
micro use new brush —
Can probably see defects
better also try Jewelers
see if less —

Speak to Walter when he
works the Valve on strong
Engine he shuts it off too
much & it has a bad sound
~~appearance~~ too weak &
too far away it seemed
bland more without
jumping

Experiment of Cam grind like
Hy Fa non finer — with what
I have made — 5 gram packets
of Carbopol finer — put 250
milly dry Hy D in each 5 gram

Take a black record that
scratches (B) Rosin & Buff
record see if better —

Try prism glass for
Jewelers

Watch grind off a
Model Transfer
until enough & see
how that works

Copy all the Chappelle
tunes & complete list
in Tune book

Chappler Book -

Brothers, tell of the battle	Fair
The Battle Cry of freedom	"
Take me home	"
To the Evening star	good
Sweet Genevieve	good
Cradle Song	good
Bridal Chorus	fair
A song of the sea	fair
Beautiful star in heaven so bright	fair
Larboard watch	good
When the Sun shows	fair
Ivy left the snow clad hills	fair
Dream faces	fair
Oh dont you remember sweet Alice	fair
Long ago	fair
Tempest of the heart	good
Soft Soft music is stealing	only fair
Coming thru the Rye	"
Some day	good
Old folks at home	good
Korner bottle pungey	fair
Make me no gaudy chaplets	fair
Last night	fair
Bird in only [illegible]	only fair

Sing, Smile, Slumber	fair
Birds in the night	fair
Old Kentucky home	good
Adieu tis lovers last greeting	fair
Carry me back to old Va	good
Goodnight, farewell	good
Lauriger Horatius	fair
Farewell my own	fair
Who is Sylvia	good
Ever of thee	good
Beautiful Lake of Chacon	good
Come home father	fair
Blue Alsatian Mountain	good
They all loves Jack	fair
Wandered by the river Seat shore	fair
Lead Kindly Light	fair
Take back the heart	good
Old arm chair	fair
Love not	fair
Loves old sweet song	fair
I cannot sing the old songs	fair
Stonewall Requiem	fair
Lily Dale	fair
Embarrassment	good

Jerusalem	fair to good
Home again	fair
Would I were with thee	fair
When the lights are low	fair to good
Maesas in de Cold ground	good
Beautiful Bells	fair to good
Her bright smile haunts me still	good
We'd better bide a wee	fair to good
Darling	fair
Tramp Tramp Tramp	fair
Home to our Mountains	Very good
The Rainy day	good
Maryland my Maryland	fair
Looking back [for Footballs]	good
"For You" [Sweet Time yet]	Extra good
Alice where art thou	good
No one to love	good
One sweetly solemn thought	fair
Sweet saint hear my prayer	Extra good
The Carrier Dove	fair
Afterwards	Extra good
Nanny Lee	fair
Out in the deep	fair
Silent Night	good

My William Bible	fair
Do they think of me at home	fair
Life on the Ocean wave	good
Go to sleep Lena darling	fair
Farewell	fair
Rosalie	good
Joy land	fair to good
Because you love you	good
Come oh come with me the moon is beaming	good
Miss Merch's songs	
Mother Seals Lullaby	fair
The answer C Bohm –	fair
La Vierge a la Crèche (Penthon)	good
Des Madchens Klage (Elkes Liederschatz)	fair
Alpine Rose (Sieber)	fair
good bye (Jooli)	fair
Das Rothe Sarafan (E S Bull)	fair
O Vieni con me (Geibel)	fair
The party at Odd fellows hall (Harvard Uni)	good
The little old Red shawl	good

Ask Cryolgyman of the coast, pour saturated solution between glass plates 1/64 apart & let it Crystalize — Little run up by Capillarity blow cold air on or use Solid CO_2 even .005 apart & chill —

Have drawing made of various glass funnels wanted then get Whitehall T on phone & ask if they will do it — Daly to go down if not take it up with Corning — Libby —

Amalgamated brass for monel transfer —

~~How Daly getting on with Rotary carbon~~

~~Try more expts with the glass tube — put glass funnel flare on it —~~

Get Victors Miserere — Rosary

Ask W with how that man Grant has been doing — was he satisfactory —

Also how to Market Sub-monolayers getting on

Drawings for glass funnels for Daly to go to W T & Co & Corning —

Try expts with $1\frac{1}{2}$ inches drawn down 1 ft to taper & very long during 2" average

also 1 ft taper & 3 or 4" straight,

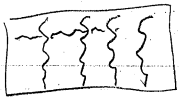
W with about 110 lbs steam or superheat;

Blue print, scale of voices
page 461. Grove make same
size as instruments —

See what Cowhair felt
is worth per yard the thick
kind 1/2 inch —

Aiken about Vacuum on
Conical seconds — don't go too far
in moulds till we see if its
necessary!

When we get 10 or 15 good
Records, Drop all Vic & Columbia
Have Cankin & Aiken & only
people Compare & write ads
accordingly —



Hg Salts Sol in 2 1K2 Li –

phospho Glucose Acetate	Sol.	HS good precip.
Hg Iodide	Sol	"
Hg Arsenate	Sol	" "
Naphto-Lactate Hg	Sol	" "
Hg Tannate	Trace	
Hg Succinamide	Sol	faint precip
Hg oxa-Lilate	Sol	Trace
Hg + Cyanide	Very Sol	good precip
Hg Pot Iodide	"	"
Hg Succinate	"	"
Hg Salicylate	"	"
Hg Methyl Chloride + Ethyl Cl	"	"
Hg Oxyquin	"	Large prec
Hg Amide-Propionate	"	"
Hg Malate	Sol	good precip
Hg Iodo chloride	Sol	Trace
Hg Mercaptide	Exceedingly Sol	—
" Asparaquinate	Very Sol	good precip
phenyl-acetate	"	"
Hg Bichloride	Sol	Trace
Thymolate	Sol	good precip

Hg + Ba Iodide	Sol	Good precip
Thymol Mercaptide	"	Trace
Hg Naphtolate	Sol	"
Hg Ferrocyanide	Sol	good precip
Borolungstate	Sol	Trace
Resorcin Acetate	"	Good "

Try phenolate,

8 Moulds for one Cabinet

Time, Moulds ready for pouring requires 1 man - labourer 1 day

Set 48 hours - then taken out mould requires for the 8 moulds 1½ hours

Seasoned 7 days -

8 pieces then ~~[illegible]~~ put together put in 15 Cleaning room 4 days

Then dried, 5 days -

Then put together painted up & finished 1 to 1½ hours average each Cabinet,

Then immediately ready for decorating painting crushing & Screening plant,

Takes 3 weeks to make set. before ready to work Must be dried & set & seasoned

1 man will require 8 days to cast a mould & parts to make one set of moulds -

Legal Dep
Attorneys at law & Solicitors Pat
D Holden 96
J Bachman 40
H Lanahan 48

Investigating process cutting get Evidence
J Whedbon 40
H Clark 30

Draftsmen
Stevens 30
Dressler 18

Clerks –
Entering pat applications & off & filing
Miss Kiehm 23

Stenographers
Handling Correspondence & prices
Clerking
Miss Vardlaw 18 – Holden Stff
" Stacks 15 – Lanahan "
" Korb 15 – Bachman "
Boy 5 –
Manpower 96

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